

176. ENERGY EFFICIENT RELIABLE ROUTING AND CLONE DETECTION IN WIRELESS AD-HOC NETWORKS

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Wireless Ad-Hoc Network is the majorly used network world wide in distributed type of systems. Energy consumption is the major problem faced by the Ad-hoc network users which minimizes the network life time. Clone Detection (CD)is the process of detecting a trustee in reliable energy efficient paths. In order to use the energy efficiently a key concept called RMECR and RMER is used in this paper. RMECR addresses three important requirements of ad-hoc networks: energy-efficiency, reliability, and prolonging network lifetime. RMER finds routes minimizing the energy. Both the key concepts are proposed in sense of end-to-end and hop-by-hop retransmissions. Clone Detection helps the Observer node(trustor) to decide whether the trustee is reliable or not.

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